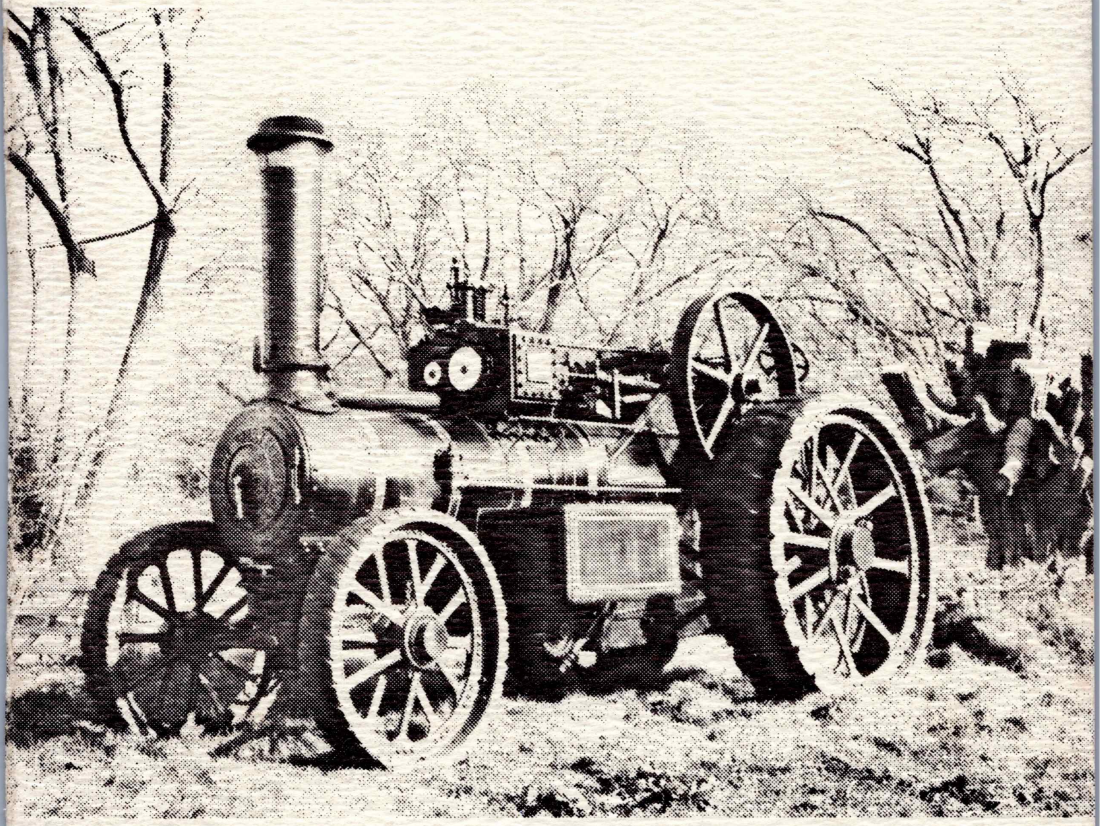
THE NEW ZEALAND TRACTION ENGINE REGISTER



THE STEAM TRACTION SOCIETY (INC)

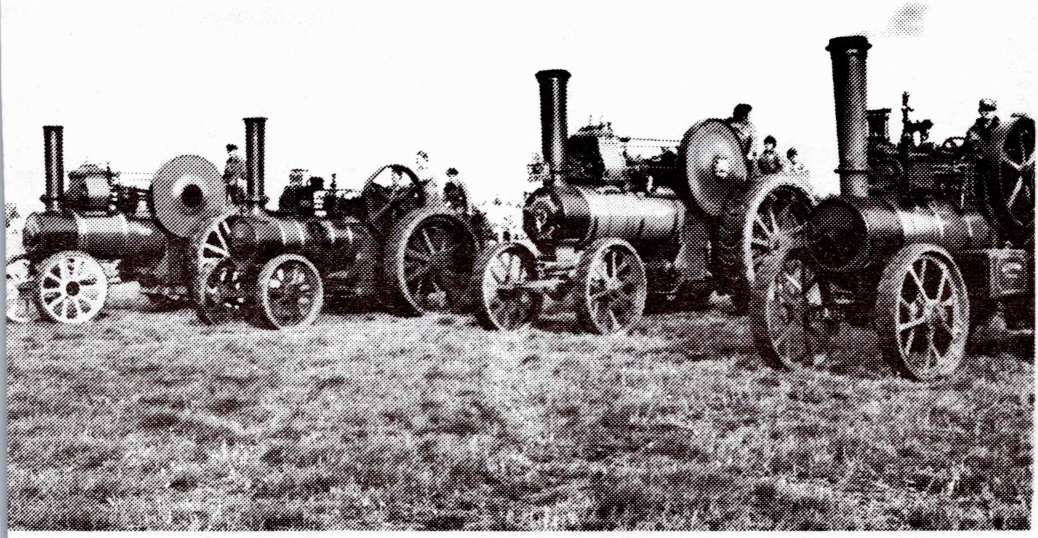
PRICE: $2·50

65
LB

THE NEW ZEALAND TRACTION ENGINE REGISTER

Published by G. T. Radcliffe for the Steam Traction Society (Inc.)
April, 1987

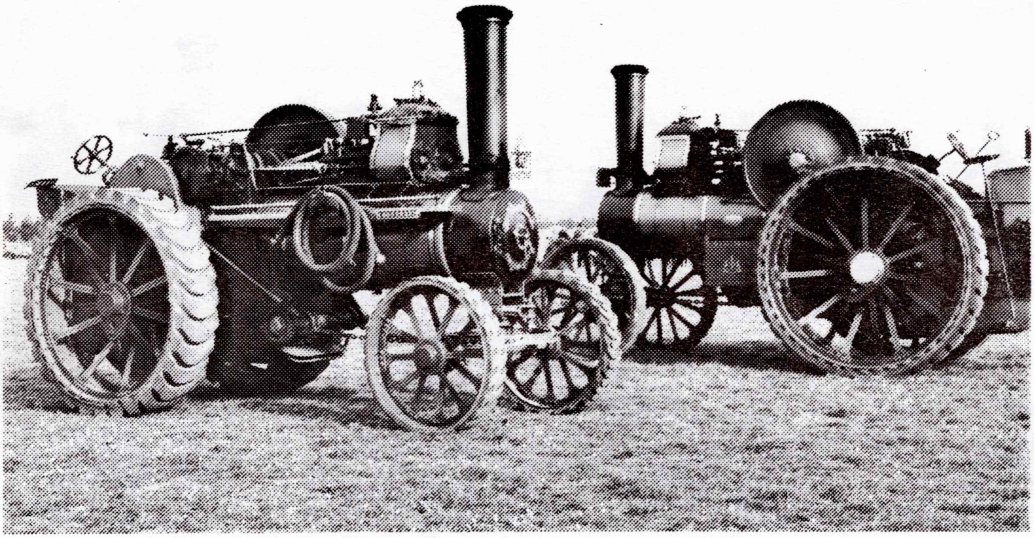
PO Box 410 Feilding, NZ, 11 Kinross Street, Christchurch, 4, NZ.



Traction Engine Rally at Springston, NZ, March 1987

Front Cover Photograph : Burrell 10 hp DCC No.3130

Back Cover Photograph: Clayton & Shuttleworth Portable, Hawea



Fowler 8 hp Compounds, No. 9534 and No. 9658

This engine list is the result of many years research. Not all portables are listed, and a few tractions may have been missed. I would be pleased to hear of any additions or corrections.

All engines are of English origin; no American engines seem to have survived. Names of current owners will not be given as this could cause embarrassment.

Standard abbreviations are listed below:

TE	Traction Engine	TR	Tractor (Steam)
RR	Road Roller	RL	Road Locomotive
WN	Wagon (Steam)	SC	Single Cylinder
DCC	Double Crank Compound	SCC	Single Crank Compound
TW	Twin High Pressure	HP	Horse Power (Nominal)
PV	Piston Valve		

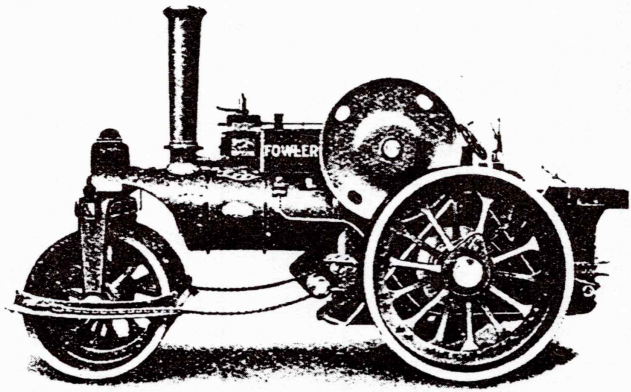
The Condition column will give readers some idea of each engine's current state. Some listed as 1 or 2 could need work done before passing a Boiler Certificate, and others 7-9 may never steam again.

Condition

1 Good working order.
2 Out of use, complete.
3 Under restoration, complete.
4 Under restoration, parts missing.
5 Awaiting restoration, complete.
6 Awaiting restoration, parts missing.
7 Derelict.
8 Very derelict.
9 In playground.

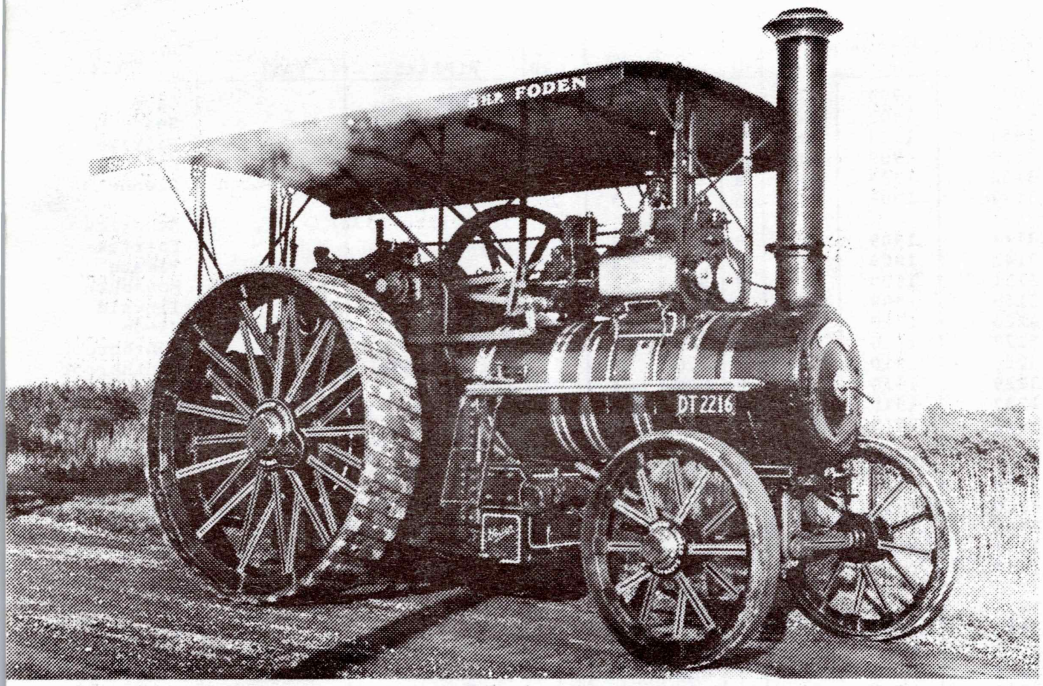
Owners are now replacing boiler barrels, fireboxes, and building virtually complete boilers, and "hybrids" made up of parts from more than one engine are becoming common. I would urge all interested people not to scrap any traction engine parts as one day they will be useful, if only for a pattern.

Acknowledgements are due to fellow enthusiasts Mike Barnes, Brian Bourke, Alan Bellamy, and Ron Alexander who have helped with data. All photos except Fowler 6729 are by the author.

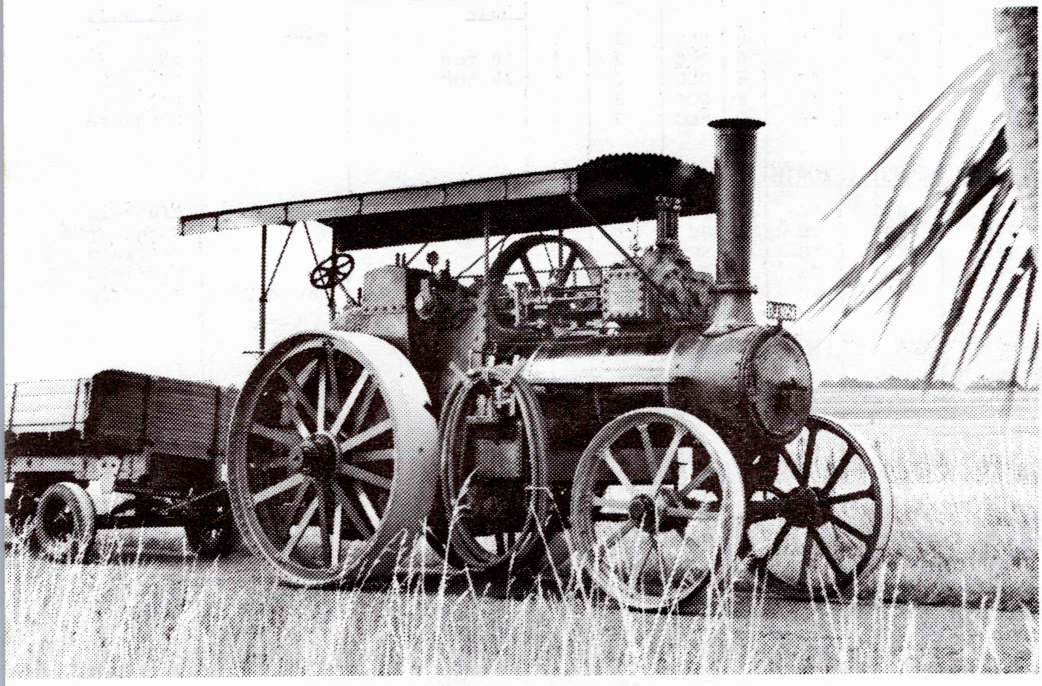


ENGINE No.	APPROX DATE	TYPE	HP	CYL	GEARS	COND	REMARKS	LOCATION PAST	LOCATION PRESENT
AVELING & PORTER (ROCHESTER, KENT)									
3059	1892	TE	6	SC	2	3		Mapua	Redwood Valley
3077	1892	TE	6	SC	2	5		Blenheim	Seddon
?	1892	TE	6	SC	2	6		Whangapeka	Redwood Valley
3936	1896	PE	12	DCC	-	3		Geraldine	Tokomaru
5324	1904	TE	8	SC	2	1		Inver'gill	Coromandel
7172	1910	RL	8	DCC	3	2	Sprung	Wakanui	Winslow
7217	1910	TR	4	DCC	2	2	Sprung-rear		Masterton
7304	1912	TE	8	DCC	3	2	Sprung		Darfield
7484	1912	TE	6	DCC	3	1	Sprung		Christchurch
7806	1912	TE	6	DCC	3	4	Sprung	Greytown	New Plymouth
8109	1913	RR	5	DCC	2	1	PV	Dannevirke	Tokomaru
?	?	RR	6	DCC	2	9	PV		MOTAT
8524	1915	RR	5	DCC	2	6		Manaia	Tokomaru
9215	1920	RR	4	DCC	2	1		Carterton	Masterton
10398	1922	RR	4	DCC	2	2	PV		Cambridge
11320	1926	RR	5	DCC	2	1		Christchch	Mossburn
11358	1926	RR	6	SC	2	2			Waimate
11688	1927	RR	4	DCC	2	1	PV	Greymouth	Halcombe
BROWN & MAY (DEVIZES, WILTSHIRE)									
5415		PE	3	SC	-	2		Chch	Edendale
6919		PE	4	SC	-	2			Christchurch
7530		TR	2	SC	?	3		Hastings	Rotorua
7669		PE	3	SC	-	3		Wanganui	Feilding
BURRELL (THETFORD, NORFOLK)									
1292	1887	TE	8	SC	2	4	1927 Boiler	Rotokohu	Pukemiro
2011	?	TE	8	SC	2	5	Number suspect		Brydone
2201	1899	TE	8	SC	2	5			Edendale
2207	1899	TE	8	SC	2	1		Kaikoura	Hawarden
2331	1900	TE	8	SC	2	1			West Melton
2391	1901	TE	6	SCC	2	1		Hastings	Hamilton
2409	1901	TE	6	SCC	2	7			Te Poi
2500	1902	TE	6	SCC	2	1	Devonshire	Hastings	Feilding
2532	1902	TE	8	SCC	2	1		Chertsey	Kaiapoi
2538	1902	TE	6	SCC	2	5			Feilding
2602	1903	TE	8	SCC	3	1	Sprung		Geraldine
2618	1903	TE	7	DCC	3	1	Sprung		Seadown
2619	1903	TE	7	DCC	3	1			Edendale
2621	1903	TE	8	SCC	2	1		Tinwald	Fernside
2632	1903	TE	8	SC	2	1		L'Hayes	Dunedin
2636	1903	TE	8	DCC	3	1	Sprung		Waimate
2639	1903	TE	8	DCC	3	1	Sprung	Mosgiel	Mossburn
2681	1904	TE	8	SCC	2	1	Sprung	Inver'gill	Timaru
2686	1904	TE	8	SCC	3	1	Sprung	Gore	Tapanui
2694	1904	TE	8	SC	2	1			Ryal Bush
2696	1904	TE	8	DCC	3	1	Sprung	Amberley	Fernside
2763	1905	TE	8	SC	2	1			Mataura
2764	1905	TE	8	DCC	3	1	Sprung		Templeton
2774	1905	TE	6	SC	2	4	Sprung	Utiku	Feilding
2835	1906	TE	8	SC	2	1		Papanui	Hawarden
2852	1906	TE	8	DCC	3	1		Seadown	Tokorahi
2869	1906	TE	8	SCC	2	2		Ch'ch	Greytown
2878	1907	TE	8	DCC	3	2		Glenham	Auckland
2886	1907	TE	8	DCC	3	1	Sprung		Tinwald
2924	1907	TE	7	DCC	3	3	Sprung	Hastings	Tokomaru
2939	1907	TE	8	DCC	3	3	Sprung		Templeton
2985	1908	TE	8	SC	2	2			Tapanui

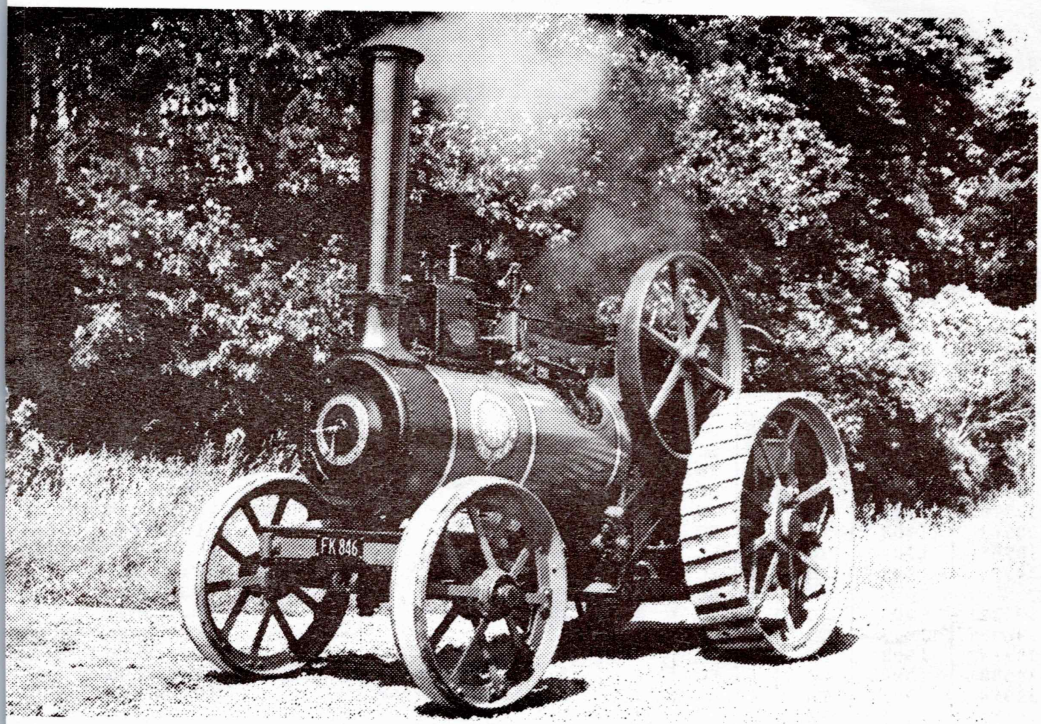
ENGINE No.	APPROX DATE	TYPE	HP	CYL	GEARS	COND	REMARKS	LOCATION PAST	LOCATION PRESENT
3033	1908	TE	8	SCC	3	3	Sprung		Cave
3050	1908	TE	8	SCC	2	1	Sprung		Seadown
3051	1908	TE	8	SC	2	1			Fairlie
3130	1909	TE	10	DCC	3	1	Sprung		Kaiapoi
3132	1909	TE	8	SC	2	1		Christ'ch	Blenheim
3142	1909	TE	8	DCC	3	2	Sprung (Carries Plate 3333)		Amberley
3144	1909	TE	8	SC	3	2	Sprung		Fairfax
3148	1909	TE	8	SC	2	1			Timaru
3151	1909	TE	8	SC	2	1		Kaitangata	Mossburn
3165	1909	TE	8	SCC	3	1	Sprung		Tinwald
3225	1910	TR	4	SC	2	3	5 ton	Kaitangata	Clyde
3227	1910	TE	8	DCC	3	1	Sprung		Southbrook
3228	1910	TE	8	DCC	3	1	Sprung (Andy)		Southbrook
3229	1910	TE	8	DCC	3	1	Sprung		Halswell
3237	1910	TE	8	SC	2	1		Inver'gill	Belfast
3245	1910	TE	8	SC	2	2	Carries Plate 3598		Edendale
3255	1910	TE	8	SC	3	1	Sprung		Seadown
3259	1910	TE	8	SC	2	1		Temuka	Harewood
3260	1910	TE	8	SC	2	1		Inver'gill	Kaiapoi
3335	1911	TE	6	DCC	3	2	Sprung		Winton
3348	1911	TE	8	DCC	3	1	Sprung	Ashburton	Cave
3407	1912	TE	8	SC	2	2			Darfield
3410	1912	TE	8	SC	2	1			Oamaru
3435	1912	TR	4	DCC	2	1	Sprung 5 ton	Feilding	Palm North
3438	1912	TE	6	SC	3	?			Edendale
3510	1913	TR	4	SC	2	2		Culverden	Kaiapoi
3519	1913	TE	8	DCC	3	1	Sprung	Rakaia	Christ'ch
3522	1913	TE	8	SCC	3	1	Sprung		Ashburton
3529	1913	TE	8	DCC	3	1	Sprung		Cave
3558	1914	TE	8	SC	2	1			Ryal Bush
~~3598~~	~~1914~~	~~TE~~	~~8~~	~~SC~~	~~2~~	~~2~~	~~Carries Plate 3245~~		~~Edendale~~
3625	1914	TE	8	SCC	3	1		Gore	Inver'gill
3961	1924	RR	6	DCC	2	2	10 ton		Inver'gill
3964	1923	RR	6	DCC	2	1	10 ton		Dunedin
3974	1924	TE	8	DCC	3	2			Lochiel
3975	1924	TE	8	DCC	3	1			Rangiora
CLAYTON & SHUTTLEWORTH (LINCOLN)									
?	1876	TE	6	SC	2	8		Linkwater	Blenheim
32648	1901	TE	10	SC	2	5			Woodbourne
34996	1903	TE	8	SC	2	1			Darfield
35960	1904	TE	8	SC	2	5			Mayfield
36810	1905	TE	8	DCC	3	3	Joy Gear	Inver'gill	Tokomaru
DAVEY PAXMAN (COLCHESTER, ESSEX)									
14682	1910	PE	14	SC	-	7			Jacksons
20428	1918	PE	16	DCC	-	2		Ashley Clinton	Rotorua
FODEN (SANDBACH, CHESHIRE)									
656	1903	TE	8	DCC	2	1	Sprung		Hawarden
664	1903	TE	8	DCC	3	1	Sprung		Templeton
FOSTER (LINCOLN)									
3456	1908	TR	3	DCC	2	6	Wellington	Charleston	Fernside



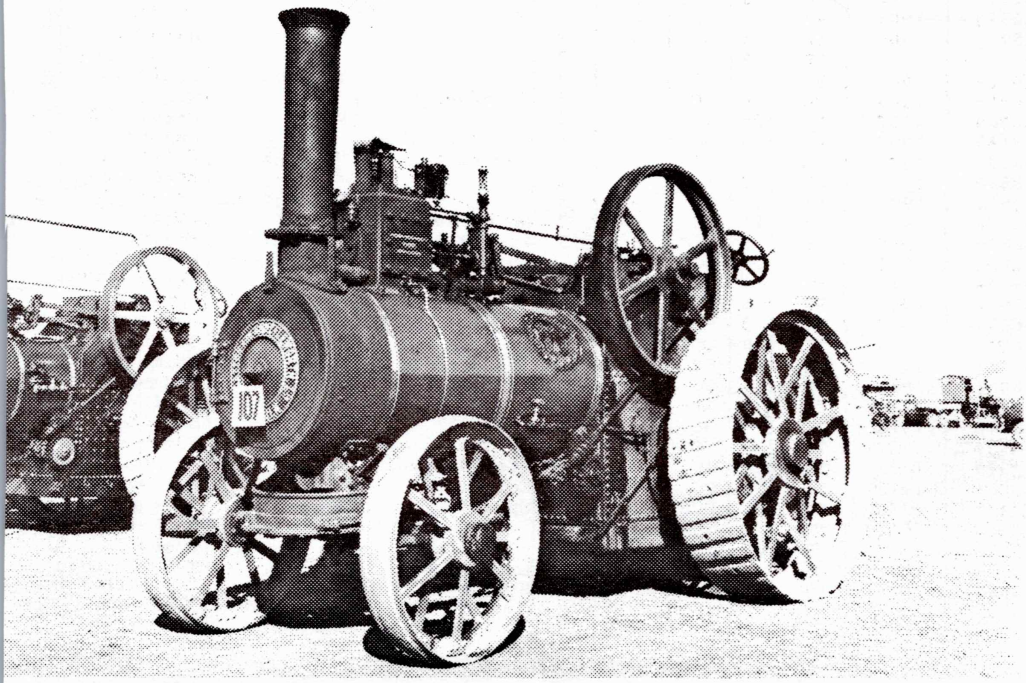
Foden 8 hp DCC, No. 664



McLaren 8 hp DCC, No. 1425



Ransomes Sims & Jefferies 6 hp SC, No. 12747



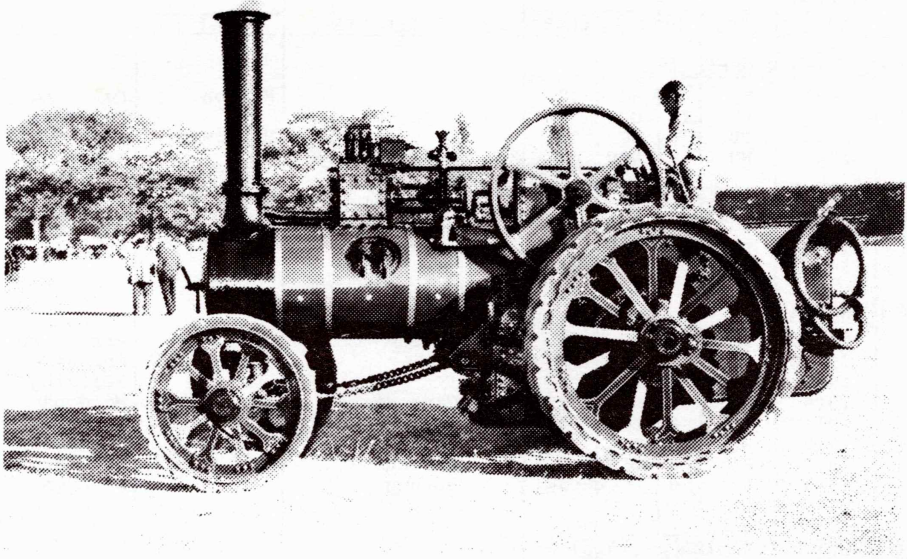
Clayton & Shuttleworth 8 hp SC No. 34996

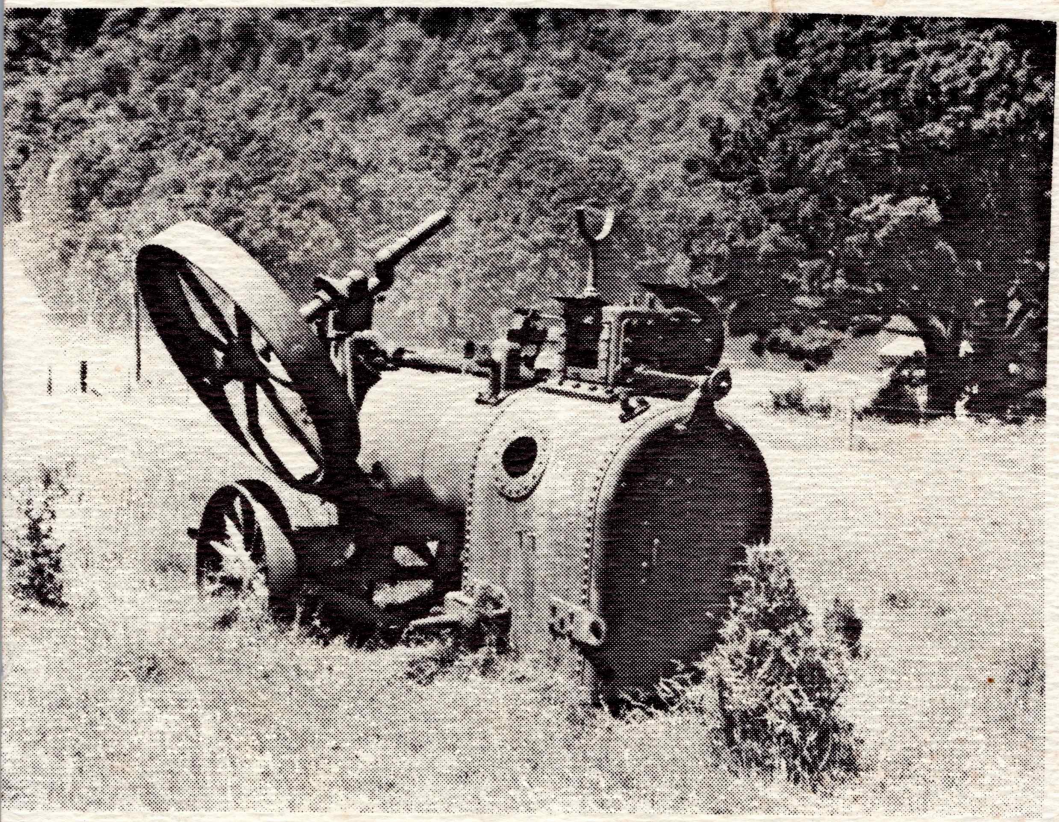
ENGINE No.	APPROX DATE	TYPE	HP	CYL	GEARS	COND	REMARKS	LOCATION PAST	LOCATION PRESENT
HORNSBY (GRANTHAM, LINCS)									
6236	1888	PE	8	SC	-	1			Waimate
?	1890	TE	6	SC	2	7			Wakefield
6557	1890	TE	6	SC	2	6	Number suspect	Strathmore	Stratford
8464	1904	PE	8	SC	-	8			Kakahi
MARSHALL (GAINSBOROUGH, LINCS)									
1043	1880	PE	8	SC	-	?			Invercar'll
4483	1884	PE	8	SC	-	1		Ashburton	West Melton
6395	1884	PE	8	SC	-	7			Seadown
10028	1885	PE	8	SC	-	2			Kaitangata
13279	1885	PE	4	SC	-	2			Tapanui
16038	1888	TE	6	SC	2	5			Feilding
18727	1890	TE	6	SC	2	6		Elsethorpe	Feilding
22799	1894	PE	5	SC	-	?			Invercargill
30834	1889	PE	8	TW	-	8	With reverse		Kopara
33836	1900	TE	7	SC	2	1			Thornbury
37770	1902	PE	15	TW	-	?			Mossburn
38513	1903	TE	7	SC	2	1	Franz Josef		Fernside
38906	1903	TE	6	SC	2	1			Ashley Clinton
39334	1903	TE	6	SC	2	7		Rakaia	Tinwald
?	?	TE	5	SC	2	7	Museum		Kaikohe
39582	1903	TE	7	SC	2	2			Milton
39695	1903	TE	10	DCC	2	2		Nokomai	Mossburn
39714	1903	PE	10	SC	-	?			Mossburn
39908	19203	PE	6	SC	-	?			Fernside
39914	1903	TE	8	SC	3	1	Barney, Sprung		Fernside
40111	1904	TE	7	SC	2	1		Milburn	Tauranga
41306	1904	PE	12	SC	-	1		Notown	Wakefield
41410	1904	PE	16	TW	-	7			Ruru
41771	1904	PE	10	TW	-	?			Invercargill
42370	1904	RR	5	DCC	2	5			Belfast
45908	1906	TE	6	DCC	3	3			Blenheim
?	?	TE	6	SC	2	7			Invercargill
46262	1907	PE	12	SC	-	3		Takapau	Feilding
46456	1907	PE	6	SC	-	6	No c/shaft		Milton
46769	1907	PE	25	TW	-	5		Rahui	Wakefield
48146	1907	PE	8	SC	-	8	Parts @ Nelson		Ahaura
48351	1907	TE	6	SC	2	3	The kitset	Hastings	Feilding
48530	1907	PE	20	TW	-	1			Edendale
48621	1907	PE	20	TW	-	3		Springs Jnc	Wakefield
50276	1909	PE	14	SC	-	9	No c/shaft		MOTAT
50670	1909	TE	6	DCC	3	3	Sprung	Takapau	Feilding
52609	1909	TE	8	DCC	3	1	Sprung	Springston	Hawarden
54246	1910	TE	7	SC	2	2			Wrights Bush
55620	1910	RR	5	DCC	2	1		Napier	Feilding
56623	1910	TE	8	SC	2	1		Alexandra	Dunedin
56720	1910	TE	8	SC	2	2		Winton	Queenstown
67913	1911	TE	8	SC	3	3		Tinwald	Waimate
58068	1911	TE	5	SC	2	1			Drummond
58069	1912	TE	6	SC	2	2			Kuriheka
58876	1912	TE	7	SC	2	1			Harewood
59534	1912	TE	5	SC	2	1		Dromore	Tinwald
59579	1912	TE	6	SC	3	1	Stella, Sprung	Ettrick	Kelson
59601	1912	TE	8	DCC	3	1	Sprung		Halkett
60139	1913	TE	6	DCC	3	3	Sprung	Tinwald	Belfast
61323	1913	TE	7	SC	2	1			Halkett
68512	1915	PE	20	TW	-	2			Edendale
75845	1922	TE	5	DCC	3	1	ExRR Sprung		Invercargill
80887	1926	RR	6			4	S Type	Oamaru	Christchurch
85055	1929	RR				1	Tandem	Tinwald	Tokomaru

ENGINE No.	APPROX DATE	TYPE	HP	CYL	GEARS	COND	REMARKS	LOCATION PAST	LOCATION PRESENT
FOWLER (LEEDS, YORKSHIRE)									
4710		TE	8	DCC	2	1			Parnassus
5260	1886	TE	5	SC	2	9	Parts missing	Rockville	Collingwood
6649	1892	TE	8	SC	3	2			Dorie
6729	1892	TE	6	SC	2	5		Elsethorpe	Feilding
6767	1892	TE	8	SC	2	5			Winton
6784	1892	TR	4	SC	2	6		Makarewa	Fernside
?	?	PE	6	SC	-	8			Helensville
7054	1892	TE	6	DCC	2	2			Wrights Bsh
7493	1898	TE	8	DCC	3	5		Waitati	Seadown
7577	1896	TE	5	SC	3	2	Wendy		Cust
7635	1896	TE	8	DCC	3	1			Waikari
7638	1896	TE	8	SC	2	1			Dunedin
8270	1900	TE	5	SC	3	1			Tinwald
9166	1902	TE	8	SC	3	2		Inver'gill	Springston
8167	1901	TE	8	SC	2	2		Kohatu	Wakefield
9173	1902	TE	8	SC	3	6			Christ'ch
9534	1903	TE	8	DCC	3	1	Sprung Endurance	Culverden	Fernside
9658	1903	TE	8	DCC	3	1	Sprung Challenge	Rai Valley	Fernside
9847	1904	TE	5	SC	2	2		Richmond	Wakefield
9890	1903	TE	6	DCC	3	1	Sprung	Otane	Tokomaru
9912	1904	TE	8	DCC	3	3	Sprung	Picton	Halcombe
9918	1904	RL	6	DCC	3	1	Sprung	Seddon	Rotorua
9981	1904	TE	8	DCC	3	1	Sprung	Hawarden	Middlemarch
10319	1905	TE	8	DCC	3	5	Sprung		Blenheim
10320	1905	TE	8	DCC	3	2	Sprung	Southbridge	Christ'ch
10590	1906	TE	7	DCC	3	1	Sprung		Tinwald
11351	1907	TE	7	DCC	3			Rai Valley	Fernside
11592	1908	TE	7	SC	3	2	Sprung	Geraldine	Cave
11982	1909	RL	10	DCC	3	3	Sprung	Chertsey	Christ'ch
12275	1910	TE	7	DCC	3	1	Sprung	Amberley	Methven
12387	1913	RL	6	DCC	3	2	Sprung	Motueka	Auckland
12696	1910	TE	7	DCC	3	2	Sprung		Dorie
12810	1912	TE	7	DCC	3	1	Sprung	Otira	Southbridge
12811	1912	TE	7	DCC	3	2	Sprung		Inver'gill
12812	1912	TE	7	DCC	3	2	Sprung		Dorie
12813	1912	TE	7	DCC	3	3	Sprung	Motueka	Redwood Val.
12908	1912	RL	10	DCC	3	2	Sprung Darkie		Waddington
12920	1911	TE	7	DCC	3	1	Sprung	Southbridge	Wellington
12921	1911	TE	7	DCC	3	1	Sprung		Irwell
13090	1911	TE	6	DCC	3	1	Sprung		Fernside
13597	1912	TE	8	SC	2	1	(+7967)	Oamaru	Seadown
14288	1944	RR	5	DCC	3	2			Southbridge
14516	1916	TE	8	SC	3	2	Sprung		Woodend
16773	1926	RR	5	DCC	2	2		Blenheim	Christch'ch
18641	1930	TE	4	DCC	2	1		Ashburton	Oroua Downs
GARRETT (LEISTON, SUFFOLK)									
?	?	PE	12	SC	-	2	Museum		Matakohe
24515	1903	PE	12	DC	-	3		Kaikoura	Christch'ch
25457	1906	PE	5	SC	-	1		Tokanau	Wanganui
26432	1907	TR	4	SC	2	1			Mataura
28404	1910	TR	4	SC	2	1			Invercar'gll
29733	1911	PE	3	SC	-	2			Kaiapoi
29773	1911	TE	7	SC	2	1		Inver'gill	Waimate
29777	1911	TR	4	DCC	2	1		Marin'bgh	Feilding
32035	1914	TR	4	DCC	2	1	PV	Springston	Auckland
32648	1916	RR	4	SC	2	5		Christch	Nelson
34033	1921	WN	4	DCC	2	1	PV		Edendale

ENGINE No.	APPROX DATE	TYPE	HP	CYL	GEARS	COND	REMARKS	LOCATION PAST	LOCATION PRESENT
McLAREN (LEEDS, YORKSHIRE)									
220	1886	TE	6	SC	2	5	Springwheel "The Maori"		Waihola
227	1886	TE	6	SC	2	1	A&P Boiler	Ikamatua	Greymouth
455	1892	TE	8	DCC	2	9	3 Shaft		Rotorua
514	1894	TE	6	SC	2	1	4 Shaft		Feilding
520	1894	TE	8	DCC	2	3	3 Shaft		Papatoetoe
725	1903	RR	6	DCC	2	1			NewPlymouth
771	1903	TE	10	DCC	3	1	Rack Steer		Invercargill
772	1903	TE	8	DCC	3	1	Sprung		Oamaru
792	1903	TE	8	DCC	3	2			Christchurch
797	1902	TE	8	DCC	3	1			Springston
819	1903	TE	6	DCC	2	1		Dannevirke	Auckland
837	?	TE	8	DCC	3	2	"Silver Fern"		Loburn
839	?	TE	7	DCC	2	3			Tinwald
853	?	TE	6	SC	2	2	Sprung		Hawarden
857	?	TE	6	DCC	2	5			Hastings
916	?	TE	6	DCC	3	1			Feilding
917	?	TE	6	DCC	3	1	Convertible		Feilding
919	1907	TE	6	DCC	2	1	Convertible		Waimate
955	1909	TE	8	DCC	3	4	Rack Steer		Christchurch
957	1909	TE	8	DCC	3	1	Rack Steer		Hawarden
1012		TE	7	DCC	3	8	Sprung	Leader R	Fernside
1019	1909	TE	6	SC	2	1			Christchurch
1108	1910	TE	6	SC	3	2			Halkett
1110	1910	TE	8	DCC	3	1			Fernside
1113	1910	TE	8	DCC	3	2	"Wahine"		Waddington
1174	1910	TE	6	SC	3	2			Mosgiel
1177	1910	TE	5	DCC	?	8			Taumarunui
1188	1910	TE	8	DCC	3	2			Templeton
1240	1913	TE	8	DCC	3	1	Sprung		Ashburton
1241	1910	TE	8	DCC	3	1	Sprung		Halkett
1242	1911	TE	8	DCC	3	1	Sprung		Cave
1266	1914	TE	5	DCC	3	1	Sprung		Fernside
1340	1914	PE	8	DCC	3	5	Sprung	Invercar'll	Fernside
1341	?	TE	8	DCC	3	1		Christch	Methven
1347	?	TE	8	DCC	3	1	Sprung		Oamaru
1387	?	TE	5	DCC	3	1	Sprung		Edendale
1425	1912	TE	8	DCC	3	1	Sprung ex RR	Levels	Feilding
1428	1912	TE	8	DCC	3	1	Sprung	Southbridge	MOTAT
1678	?	RR	4	DCC	3	1		Taumarunui	Hamilton
1704	?	RR	5	DCC	2	3		Wellington	Feilding
1714	1922	TE	8	DCC	3	1			Waimate
1718	1925	TE	8	DCC	3	1	Sprung		Ashburton
1719	1926	TE	8	DCC	3	2	Sprung	Southbrook	Fernside
1817	1926	RR	4	DCC	3	3	Sprung		Seadown
1833	1926	RR	4	DCC	?	4			Blenheim
1834	1926	RR	4	DCC	2	2			Dorie
1835	1926	TR	4	DCC	3	1	Ex RR		Southbridge
RANSOMES, HEAD & JEFFERIES (IPSWICH, SUFFOLK)									
454	1860	PE	4	SC	-	5			Blenheim

ENGINE No.	APPROX DATE	TYPE	HP	CYL	GEARS	COND	REMARKS	LOCATION PAST	LOCATION PRESENT
RANSOMES, SIMS & JEFFERIES									
12747	1899	TE	6	SC	2	1		Nelson	Feilding
15157	1903	PE	12	DCC	-	6	No c/shaft		Feilding
24090	1912	TE	6	SC	2	1		Rangiwahia	Hastingd
32039	1922	WN	4	DCC	2	1	Bedford Chas's		Waimate
RICHES & WATTS (NORWICK)									
?	1880	PE	4	TC	-	3	Tandem Cpd		Wakefield
ROBEY (LINCOLN)									
5359	?	PE	6	SC	-	5	Museum		Arrowtown
20768	1900	PE	12	DCC	-	6			Fernside
24917	1905	PE	6	SC	-	1			Feilding
28295	1909	RL	8	DCC	3	1	Capt Scott	Christch'ch	Woodend
29530	1911	RL	8	DCC	3	1	Sprung		Southbrook
29857	1912	RL	8	DCC	3	1	Sprung		Doyleston
29911	1912	RL	8	DCC	3	2	Sprung		Waddington
32701	1914	RL	8	DCC	3	2	Sprung		Methven
RUSTON PROCTOR (GRANTHAM, LINCS)									
?	?	TE	8	SC	2	6	Boiler #3594		Blenheim
5319	1878	PE	14	TW	-	8			Makuri
23494	1898	PE	?	SC	-	?			Paeoa
26138	1900	PE	6	SC	-	3			Dargaville
33885	1906	PE	5	SC	-	2		Whangarei	Feilding
36599	1909	PE	4	SC	-	3			Feilding
44189	1911	TE	6	DCC	2	1	Model SCS		Paraparaumu
45715	1913	TE	8	DCC	3	5			Riwaka
RUSTON									
?	?	RR	4	DCC	2	9	Model Scr		MOTAT
121876	1924	RR	4	DCC	2	5	Model Scr		Matangi
SENTINAL									
?	1925	WN		DCC		4	Super	Cheviot	Christchurch
WALLIS & STEEVENS (BASSINGSTOKE)									
8006	1929	RR	5	TW	2	1	Advance		MOTAT
YORKSHIRE PATENT STEAM WAGON									
1535	1226	WN	4	DCC	3	1		Lyttelton	Invercargill



Marshall 5 hp SC No. 59534

Fowler No. 6729 with Thrashing Mill and Chaff-cutter at Wanganui, C1900